

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : HITACHI LTD

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(72)Inventor : YAMAMOTO TOMOO

TAMAI ICHIRO

MANGYO EMI

HOSOE YUZURU

ISHIKAWA AKIRA

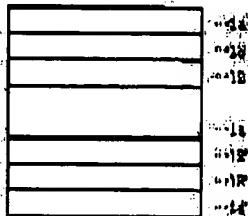
## (54) MAGNETIC RECORDING MEDIUM AND MAGNETIC STORAGE DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a magnetic storage device of a large capacity with which ultra-high-density recording above about 1 gigabit per 1 square inch is possible.

**SOLUTION:** The magnetic recording medium is manufactured by providing the surface of a nonmagnetic substrate 11 with ground surface films 12, 12' consisting of at least Cr and Ti and providing the surfaces thereof with magnetic films 13, 13' consisting of at least Co, Cr, Pt, Ti. This magnetic recording medium, a magnetic head consisting of a driving section for driving the magnetic recording medium in a recording direction and a recording section and reproducing section arranged to face the

respective surfaces of the magnetic recording medium, a means for relatively moving this magnetic head with respect to the magnetic recording medium and a recording and reproducing signal processing means for subjecting the input signals and output signals to and from the magnetic head to waveform processing.



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